

Notice of Allowability

Application No.

10/706,451

Examiner

Jimmy H. Nguyen

Applicant(s)

HOWELL, DAVID

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE papers filed on 9/14/2006.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>attached hereto</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Brian Roffe on October 13, 2006.

2. The application has been amended as follows:

In the Specification:

Change "PECL" on page 9, line 4, to -- Positive Emitter Coupled Logic (PECL) --

Change "TTL" on page 9, line 28, to -- Transistor-Transistor Logic (TTL) --.

In the Claims:

Claim 1:

change "monitor." in last line to -- monitor; wherein said at least one emulator provides scaling and signal-conditioning of an input voltage, translates an input signal level to differential Positive Emitter Coupled Logic (PECL), or provides a Transistor-Transistor Logic (TTL) level digital trigger signal and a TTL level gate signal, according to input signals. --

Claim 21:

change “analyzer.” in last line to -- analyzer; wherein said at least one emulator provides scaling and signal-conditioning of an input voltage, translates an input signal level to differential Positive Emitter Coupled Logic (PECL), or provides a Transistor-Transistor Logic (TTL) level digital trigger signal and a TTL level gate signal, according to input signals. --

Claim 28:

change “imitates the function of a digital multi-meter, a counter/timer emulator which imitates the function of a counter/timer and a digitizer/oscilloscope emulator which imitates the function of a digitizer/oscilloscope.” in last 3 lines to -- provides scaling and signal-conditioning of an input voltage, a counter/timer emulator which translates an input signal level to differential Positive Emitter Coupled Logic (PECL), and a digitizer/oscilloscope emulator which provides a Transistor-Transistor Logic (TTL) level digital trigger signal and a TTL level gate signal, according to input signals. --

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance: the claimed invention is directed to a portable analyzer and a method for testing a video device. Independent claims 1 and 21 identify the uniquely distinct features, “at least one emulator arranged between the video device and the video generator and analyzer, wherein said at least one emulator provides scaling and signal-conditioning of an input voltage, translates an input signal level to differential Positive Emitter Coupled Logic (PECL), or provides a Transistor-Transistor Logic (TTL) level”

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digital trigger signal and a TTL level gate signal, according to input signals.” Independent claim 28 identifies the uniquely distinct features, “a digital multi-meter emulator which provides scaling and signal-conditioning of an input voltage, a counter/timer emulator which translates an input signal level to differential Positive Emitter Coupled Logic (PECL), and a digitizer/oscilloscope emulator which provides a Transistor-Transistor Logic (TTL) level digital trigger signal and a TTL level gate signal, according to input signals.” The closest prior art, Howell et al. (US 6,396,536 B1) discussed in the Office Action dated 03/17/2006, either singularly or in combination, fails to anticipate or render the above underlined limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy H. Nguyen whose telephone number is 571-272-7675. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached at 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JHN
October 13, 2006



Jimmy H. Nguyen
Primary Examiner
Technology Division: 2629